



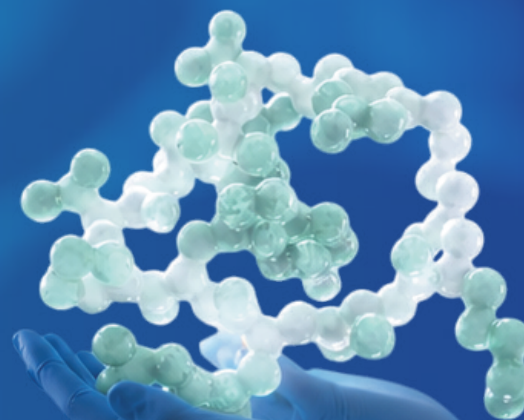
AURIGENE

PHARMACEUTICAL SERVICES

SUCCESS STORY

Cost-effective tetramer peptide synthesis

From costly
purification to a
kilo-scale LPPS process





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THE CHALLENGE

Establishing a cost-effective LPPS approach by avoiding RP-HPLC, ion exchange, and lyophilization

Working with unnatural basic amino acids prone to racemization

Maintaining orthogonality for selective hydrolysis in solution phase



OUR APPROACH

Deployed an analytics-driven
characterization strategy

Established a
robust
orthogonal
protection
strategy
through
extensive route
screening

Controlled
racemization
through
optimized
stereochemistry
-preserving
coupling
protocols

Identified a
suitable
reagent for
orthogonal
deprotection of
the protected
peptide

Eliminated
expensive
RP-HPLC
purifications and
lyophilization by
strategic
isolation
techniques.

Designed and
demonstrated
a commercially
viable
alternative
route.





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THE IMPACT

>97% HPLC
purity achieved

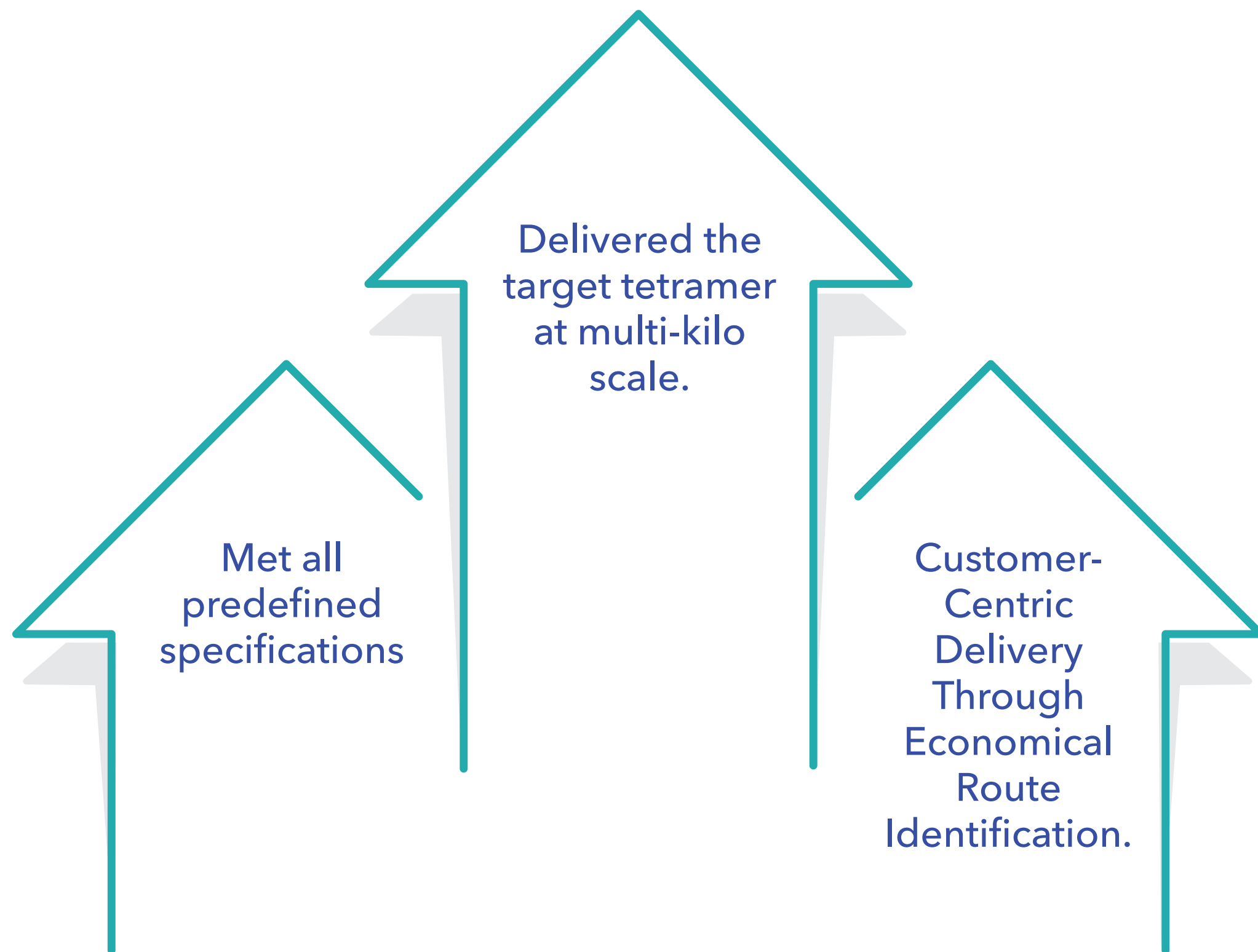
Eliminated
high-cost
purification steps

Robust,
repeatable
process delivered
with customer
delight

Significant cost
savings for the
customer



SCALE-UP SUCCESS



UNLOCK COMPLEX PEPTIDE CHALLENGES WITH CONFIDENCE



Need a cost-optimized LPPS route for your peptide?
We design ROS purpose-built for scale.

